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PLANNING THEORY

(Revision of CPL Exchange Bibliography 31)

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The bibliography which follows was developed for a course in planning theory. This is the third in a sequence of courses required for those working toward the degree, Master of Urban Planning, at New York University. It follows courses in planning principles which provide substantive materials. The course in planning theory as given and as reflected in the bibliography emphasizes planning and the scientific method; examines questions of cause and effect, principally with a view toward developing the nature and significance of the applications of models in urban planning.

The course seeks to provide an introduction to mathematical techniques as applied to planning and seeks to orient students toward the increasing importance of mathematical models which are now being generated in fields related to urban planning. The bibliography turns first to the question of the nature of planning and of what we mean by the term, "planning theory." A group of readings on the philosophical foundations for understanding the nature and role of models in planning is followed by references on models which are useful in determining spatial patterning and generating form. Readings on the models presented include those which emphasize location theory, gravity and potential models and models involving central place theory. This section on spatial patterning and form generation concludes with readings in what normally have been given to planning students as "physical planning models" but which the author of this bibliography prefers to call architectonic models.

Such techniques for decision making as cost benefit analysis, programming and gaming approaches and other models and techniques for decision making are next. These constitute significant readings in planning viewed from the point of view of decision making. Next there is a group of special models as examples of those which are non-spatial in character. The ones selected are of use to the planner as models for casting light on problems of population, traffic and economic base analysis. The bibliography concludes with a short series of readings on urban growth, synthesis through simulation.

Increasing concern with models and their application to urban planning constitute the basis for presentation of this initial bibliography. Writings in areas pertinent to the development of sound planning theory are appearing constantly and even while this bibliography is being made available, a new one is being developed. Perhaps it would be possible to update this bibliography from time to time as these materials appear. It is the author's wish that this service be of some assistance to the planning profession, which plays such an important role in our modern world.

Herman G. Berkman

Introduction Supplement, November 2, 1967

The bibliography on Planning Theory which follows represents a revision of CPL Exchange Bibliography 31, issued in March, 1965. At the conclusion of the Introduction to that bibliography the author stated that:

> Increasing concern with models and their application to urban planning constitute the basis for presentation of this initial bibliography. Writings in areas pertinent to the development of sound planning theory are appearing constantly and even while this bibliography is being made available, a new one is being developed. Perhaps it would be possible to update this bibliography from time to time as these materials appear. It is the author's wish that this service be of some assistance to the planning profession, which plays such an important role in our modern world.

What follows is in accordance with this statement, which still holds true. However, certain differences in the bibliographies will be noted. In addition to more current references, the present bibliography specifically includes sections on Methodology and Technique and on Goal Formation and Objectives, important elements in planning. Further, specific reference has been added on data and their processing. Progress, though small, has been made in various types of urban and regional information systems. These systems, it is hoped, will expedite parameter estimation and are essential elements in understanding planning theory. Still another innovation is emphasis on gaming and simulation. Finally, this revised bibliography contains enlarged and specific references to articles appearing in the Journal of the American Institute of Planners. Review of issues of that Journal reveals increasing concern by the profession with elements of planning theory.

The continuing development of the field as indicated in that professional journal once again emphasizes the directions in which planning, as a process, is tending. It becomes all the more important, then, that not only graduate students in planning have access to references in this area, but postgraduates and professionals as well. The contribution of the Council of Planning Librarians in making reference to reading in this area more generally available has grown accordingly in significance.

The author wishes to acknowledge this contribution of that association to professional planning practice.

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